TruTrack Data Logger

MicroToT Data Logger

Small Single Channel Temperature Data Logger.

The microToT is a small single channel temperature data logger. The two main features that distinguish this logger are its cost and size. The microToT has been designed for users who require a small, simple Temperature logger at low cost. The microToT can be controled and interrogated over phone lines using a standard modem link. The logger can dial a Pocket Pager when Alarm Conditions occur.
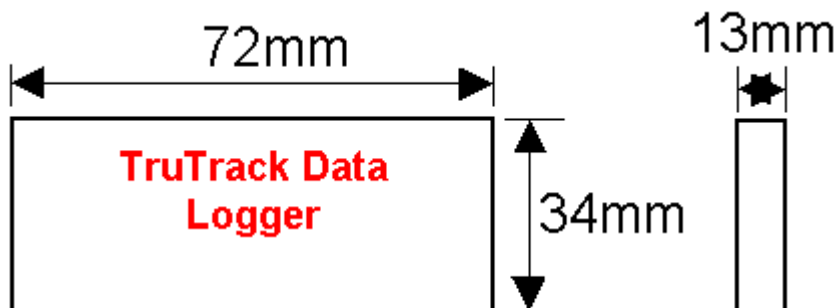
Features:

- Temperature can be set to any combination of Point, Average, Maximum & Minimum readings.
- The logger can be run in either "Stop when memory is Full", "Loop Around" mode or set to stop at a future time.
- The logger can be started "Now" or started at a given time in the future.
- The data from any logger that records Temperature can now be processed, by the OmniLog software, to give daily, weekly and monthly accumulated Grow Degree Day reports for a wide range of horticultural crops.

Ordering Information: **MicroToT** Small Temperature data logger

MicroToT Dimensions:

Putting into service:

1. From the SWDL-DLC OmniLog software and Download cable kit, **first install the OmniLog software**, then plug the Download cable into a spare serial port on your PC.
   The OmniLog has an excellent "Help". This will need to be read to enable successful operation of the OmniLog Data Management Program and gain familiarisation of the many advanced features available.

2. Connect the TruTrack Logger. Under healthy circumstances, a "Logger Control" screen will load. If the "Logger Control" screen does not load, click on the button labelled "Connect to a Logger for the first time". The OmniLog will run a test on the serial ports and advise if the port the logger is connected to is not available, in which case, plug the logger into an available port. (Refer to "Help" for further assistance.)

3. On the "Logger Control" screen, click on "Channel and Probe Setup" button, and check the Battery Condition, plus other configurations if connecting to the pH-HR or mV-HR loggers.

Now click on the "Start Logger" tab for the final configurations, before putting the logger into service.

Specifications:

Internal Temperature:		
	Sensor Type	Thermister
	Linear accuracy over range	±0.38ºC (0ºC to 30ºC)
		±0.7ºC (-20ºC to 70ºC)
	Repeatability	±0.1ºC
	Resolution	8 bit Analog to Digital Converter
Logger:	Operating Conditions	-20ºC to +70ºC
		0 to 95%RH (relative humidity) Non-condensing
		Indoor use. IP64
		Time accuracy: ±5 seconds per day at 20ºC
	Sampling Rate	1 second minimum, 10 hours maximum; in 1 second intervals
	Storage capacity	7584 readings
	Alarms	Two independent Alarms
		Triggered on any combination of six user configurable Alarm Conditions
		One alarm can be configured to dial a PocketPager
	Start modes	Start immediately
		Start on date/time
	Stop modes	Stop when memory is full
		Stop on date/time
		Loop around (continues logging)
	Logging modes	Each channel can be set to log any combination of:
		- Point readings
		- Average reading
		- Maximum reading
		- Minimum reading
	Battery	User Replaceable
		One year life
		The data is retained in the case of battery failure
		Battery Status Monitor on Status and Start Logger Screens of the Control Software
	Download time	35 seconds for Full Logger
	Weight	35g
	Size	72mm x 34mm x 13mm

A DLC1 [RS232] download cable is required to connect the MicroToT to a computer.

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